

AN 1992-028375 JAPIO
TI MEDICAL TUBE
IN KAWABATA TAKASHI; SAITO NOBUKO
PA NIPPON ZEON CO LTD
PI JP 04028375 A 19920130 Heisei
AI JP 1990-134607 (JP02134607 Heisei) 19900524
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SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1992
AB PURPOSE: To selectively insert a medical tube in a fine celom by providing a tube made of a shape memory alloy, which has an outside diameter of less than 1mm.
CONSTITUTION: A catheter as a medical tube comprises a metallic tube 1 which has an outside diameter of 0.5mm and a wall thickness of 0.1mm and a base portion 2. As the forward end portion of the metallic tube 1 is J-shaped; at the time of insertion, the forward end will not hurt the wall of a blood vessel. Metal used in this case is Ti-Ni group metal having a martensite transformation point of 30°C. The catheter is firm, but ductile though it is tubular so as to facilitate the insert operation, so that the injection of a chemical from the base portion 2 and a body fluid sampling can be performed, and pressure measurement is also possible from the forward end portion.
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